

**ICE DETECTOR FOR IMPROVED ICE DETECTION AT
NEAR FREEZING CONDITION**

ABSTRACT OF THE DISCLOSURE

An ice detector for providing a signal
5 indicating ice formation includes a longitudinally
extending probe protruding into an airflow. One or
more surface roughness features on surfaces of the
probe improve ice detection. Surface roughness
features on the probe include ice accreting edges at
10 a distal end of the probe and features arranged on a
side surface of the probe which cause the airflow to
increase in turbulence.